

Message Text

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PAGE 01 BRIDGE 01342 01 OF 02 190701Z
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UNCLAS SECTION 1 OF 2 BRIDGETOWN 1342

E.O. 11652:N/A

TAGS: BEXP, BFOL, VC

SUBJ: SPECIAL TRADE OPPORTUNITY

THE FOLLOWING NOTICE WAS RECEIVED FROM THE CHAIRMAN, THE AGRICULTURAL DEVELOPMENT CORPORATION, UPPER BAY STREET, P.O. BOX 888, KINGSTOWN, ST. VINCENT CONCERNING THE ESTABLISHMENT OF A DAIRY PROJECT IN ST. VINCENT AND REQUEST FOR TENDERS:

1. QUOTE: DIAMOND DAIRY COMPANY LIMITED, ST. VINCENT, WEST INDIES, UHT MILK PROCESSING PLANT. PROVISION OF THE FACILITIES DESCRIBED ARE REQUIRED ON A "TURNKEY" BASIS ON A BARE SITE AT DIAMOND ESTATE, ST. VINCENT, WEST INDIES. THE SITE IS APPROXIMATELY 7 1/2 MILES FROM THE PRINCIPAL TOWN AND ADJOINS THE WINDWARD HIGHWAY WHICH IS A TARMAC ROAD IN FAIR CONDITION. THE ALTITUDE IS 110 TO 130 FT. ABOVE SEA LEVEL AND THE SITE FOR THE UHT PLANT IS 1.8 ACRES. CLIMATIC CONDITIONS DO NOT VARY APPRECIABLY, THE TEMPERATURE BEING 82 TO 88 DEGREES F YEAR ROUND WITH HIGH HUMIDITY IN THE WET SEASON. THE DRY SEASON IS JANUARY TO MAY. RAINFALL AT THE SITE IS ABOUT 65 INCHES A YEAR, THE WETTEST MONTHS BEING AUGUST TO DECEMBER.

2. EXTERNAL SERVICES: (A) WATER SUPPLY-OPERATED BY THE UNCLASSIFIED

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PAGE 02 BRIDGE 01342 01 OF 02 190701Z

ST. VINCENT WATER AUTHORITY, ARNOS VALE, ST. VINCENT. COLLECTION IN RESERVOIRS HIGH IN THE HILLS AND THE SUPPLY TO DIAMOND IS UNTREATED. THE PUBLIC SUPPLY LINE FOLLOWS THE ROUTE OF THE WINDWARD HIGHWAY. (THE WATER PIPE LINE SHOWN ON THE SITE PLAN IS PRIVATE AND NOT AVAILABLE TO THE PROJECT). AT THE SITE THE SUPPLY HAS THE FOLLOWING CHARACTERISTICS: (I) PRESSURE 38 PSI; (II) RATE 17,280 GALLONS

PER DAY; (III) TEMPERATURE 22 DEGREES C; (IV) CHEMICAL - FULL ANALYSIS NOT AVAILABLE - ASOFT SUPPLY PH 7.2 TO 7.6; SUSPENDED SOLIDS AND TURBIDITY VARIES CONSIDERABLY WITH RAINFALL; CAN BE VERY DISCOLORED IN WET SEASON; (V) RELIABILITY OF SUPPLY - IN THE WET SEASON, INTERRUPTIONS OF SUPPLY CAN BE LENGTHY UP TO 24/36 HOURS. IN DRY SEASON, UNANNOUNCED CUT-OFFS OCCUR FOR SHORT PERIODS. A MINIMUM OF TWO DAYS STORAGE OF ESTIMATED WATER REQUIREMENTS SHOULD BE PROVIDED; (VI) HYGIENIC QUALITY- POOR- HIGHBACTERIAL COUNTS WITH CONSIDERABLE NUMBERS OF COLIFORM TYPES. (B) ELECTRICITY - A.C. 230 V 50 CYCLE AND 400 V 3 PHASE 4 WIRE AVAILABLE. PRESENT TRANSFORMER AT SITE IS 3 PH 50 KVA. INTERRUPTIONS OF SUPPLY OCCUR AND STANDBY FACILITIES WILL BE REQUIRED. (C) EFFLUENT - THERE IS A STREAM ON SITE WITH A CONSTANT FLOW AND WHICH IS USED FOR IRRIGATION. TREATED EFFLUENT TO NOT MORE THAN B.O.D. 20 PPM MAY BE DISCHARGED. FLOOD LEVEL IN STREAM IS 93.30. (D) FUELS AVAILABLE - OIL. PROVIDE FOR ONE MONTH STORAGE. (E) ESTATE ROADS - SHOWN ON SITE MAP; ARE TRACKS ONLY.

3. MILK SUPPLY: THE COMPANY IS IN THE ROCESS OF ESTABLISH-
ING A 100 COW UNIT ADJOINING THE PROCESS PLANT WITH PROVI-
SION TO EXPAND TO 200 COWS. (AVERAGE HERD MILK YIELDS ARE
ANTICIPATED TO BE 2,500 LITRES PER COW RISING TO 3,100 LITRES).
MILK WILL ALSO BE PURCHASED FROM INDIVIDUAL PRODUCERS BUT IT
IS NOT ANTICIPATED THAT THE INTAKE OF FRESH MILK WILL EXCEED
910 LITRES A DAY IN THE FIRST YEAR OF PROCESSING RISING TO
UNCLASSIFIED

UNCLASSIFIED

PAGE 03 BRIDGE 01342 01 OF 02 190701Z

2,200 A DAY IN THE FIFTH YEAR. IT IS NOT ANTICIPATED THAT THE
FRESH MILK SUPPLY WILL EXCEED 6,800 LITRES A DAY. ANTICIPATED
BF CONTENT OF FRESH MILK 3.0 TO 3.5 PERCENT AVERAGE. THE
SALES OF FINISHED PRODUCTS (SEE 4 (B) BELOW) IS NOT EXPECTED
TO EXCEED 91,600 LITRES PER WEEK TO BE PRODUCED ON A 2 SHIFT
SYSTEM OF 6 X 8 HOURS PER WEEK.

THE PROCESSING REQUIREMENT ABOVE THE FRESH MILK INTAKE WILL
BE MADE UP BY RE-COMBINATION OF SKIM MILK POWDER AND BUTTER
OIL. FRESH MILK, SOME COOLED, SOME UNCOOLED, WILL BE
RECEIVED INTO THE DAIRY ONCE PER DAY BETWEEN 8.30 AND 11.00A.M.
AT FULL DEVELOPMENT, ABOUT 300 ALUMINIUM MILK CANS OF BOTH
45 AND 23 LITRE CAPACITY WILL BE USED. THE FRESH MILK
WILL BE HELD IN STORAGE VATS FOR PROCESSING THE FOLLOWING
DAY BUT AT WEEKENDS, SATURDAY'S MILK WILL BE STORED UNTIL
MONDAY. THIS PROPOSAL IS BASED ON DR. H. BURTON'S (NIRD,
READING, U.K.) RECOMMENDATION THAT FRESH MILK HELD FOR 24
TO 36 HOURS AFTER MILKING TENDS TO REDUCE THE RATE OF
DEPOSIT BUILD UP. (PLEASE STATE IN YOUR TENDER WHETHER
IN YOUR EXPERIENCE ANY REDUCTION IN RATE OF BUILD UP CAN BE
ACHIEVED BY AGING MILK AFTER RECOMBINATION BEFORE PROCESSING.

4. (A) PROCESSING AND PACKAGING SYSTEM: THE COMPANY'S PREFERENCE IS FOR AN INDIRECT UHT PROCESS PLANT WITH ASEPTIC PACKAGING IN BRICK CARTONS AND SHRINK WRAPPING IN LOTS OF 6 AND 12 CARTONS WITH MANUAL PACKING INTO CARDBOARD TRAYS. (B) PRODUCTION BALANCE: 91,600 LITRES OF FINISHED PRODUCTS PER WEEK ON A DOUBLE SHIFT SYSTEM OF 6 DAYS OF 8 HOURS. PRODUCTS MAKING UP THIS QUANTITY ARE ESTIMATED AS: (I) 46,000 LITRES OF 3.0 PERCENT B.F. 12.0 PERCENT TOTAL SOLIDS IN 1/2 LITRE PACKS; (II) 23,000 LITRES OF 6.0 PERCENT B.F. 24 PERCENT TOTAL SOLIDS IN 1/2 LITRE PACKS; (III) 13,600 LITRES OF 1.5 PERCENT B.F. 11.5 PERCENT TOTAL SOLIDS IN 1/4 (40PERCENT) AND 1/2 (60 PERCENT) LITRE PACKS; (IV) 9,000 LITRES OF FLAVORED MILKS (PRINCIPALLY CHOCOLATE IN 1/4 (50 PERCENT) AND 1/2 (50PERCENT) LITRE PACKS. ADDITIONALLY, IT WOULD BE UNCLASSIFIED

UNCLASSIFIED

PAGE 04 BRIDGE 01342 01 OF 02 190701Z

HELPFUL IF THE PLANT COULD ALSO BE USED TO PROCESS FRUIT DRINKS IN 1/4 AND 1/2 LITRE PACKS. PROVISION WILL BE REQUIRED FOR EXPIRY CODE DATING AS WELL AS SERIAL CODING FOR QUALITY CONTROL.

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PAGE 01 BRIDGE 01342 02 OF 02 190711Z
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UNCLAS SECTION 2 OF 2 BRIDGETOWN 1342

5. OTHER FACILITIES REQUIRED: (I) ADEQUATE LABORATORY FACILITIES FOR QUALITY CONTROL OF PLANT PRODUCTS AND EX-FARM MILK SUPPLIES WITH SMALL OFFICE ATTACHED; (II) ADEQUATE STORAGE FOR SPARES, A WORKSHOP AND STORAGE FOR SKIM MILK POWDER AND BUTTER OIL FOR 6 MONTHS REQUIREMENTS; (III) STAFF CHANGING ROOMS WITH HAND BASIN, SHOWERS AND TOILET FACILITIES FOR MALE AND FEMALE STAFF; (IV) A SMALL MESS ROOM-

FACILITIES FOR MAKING DRINKS BUT NOT COOKING; (V) OFFICE ACCOMMODATION FOR: (A) GENERAL MANAGER OF THE COMPANY AND PERSONAL SECRETARY; (B) COMPANY SECRETARY/ACCOUNTANT AND 4 CLERICAL STAFF; (C) OFFICE FOR STORE-KEEPER IN STORAGE AREA; (D) OFFICE FOR PROCESS PLANT SUPERVISOR. THERE IS NO OBJECTION TO (A) AND (B) BEING PROVIDED AT FIRST FLOOR LEVEL. NOTE: THE MILK RECEPTION AND CAN WASHING SYSTEM SHOULD BE ONLY SEMI-AUTOMATIC.

6. EXCLUSIONS: THE TENDER SHOULD NOT INCLUDE PROVISION OF MILK COLLECTION OR DELIVERY VEHICLES, MILK CANS OR CARDBOARD TRAYS FOR SHRINK WRAP CARTONS.

7. WATER FOR CATTLE DRINKING: CONSIDERATION TO BE GIVEN FOR ANY WATER WHICH AFTER USE IN THE PROCESS PLANT IS STILL SUITABLE FOR CATTLE DRINKING TO BE CONVEYED TO THE RESERVOIR SHOWN ON THE SITE PLAN AS POND (DISUSED).

8. CARTON COLORS: IT IS ANTICIPATED THAT CARTONS WILL ONLY UNCLASSIFIED

UNCLASSIFIED

PAGE 02 BRIDGE 01342 02 OF 02 190711Z

BE IN TWO-COLOR PRINTS. ART WORK TO BE AGREED ON.

9. SERVICING AND SPARES: THE AVAILABILITY OF SERVICING AND SPARES SHOULD BE STATED.

10. ANY QUERIES ON THE COMPANY'S REQUIREMENTS SHOULD BE REFERRED TO THE COMPANY'S GENERAL MANAGER DESIGNATE, MR. E.J. NOKES, 301 ANDOVER ROAD, NEWBURY, BERKSHIRE RG146 PS ENGLAND. (TELEPHONE NUMBER - NORMAL OFFICE HOURS: READING 581222 EXT. 358, AFTER OFFICE HOURS - NEWBURY 45644). SITE MEETINGS WITH MR. NOKES CAN BE ARRANGED FOR JULY 1978. THE COMPANY WISHES SITE WORKS TO COMMENCE NOT LATER THAN JANUARY 1979.

11. TENDERS WITH FULL SPECIFICATION AND DRAFT LAYOUT PLANS SHOULD BE SUBMITTED TO THE SECRETARY, DIAMOND DAIRY COMPANY LIMITED, P.O. BOX 695, DIAMOND, ST. VINCENT, W.I. NOT LATER THAN SEPTEMBER 15, 1978. OUTLINE PLANNING APPROVAL FOR THE PROJECT HAS BEEN OBTAINED.

12. A SITE PLAN SHOWING SPOT LEVELS WILL BE AIR POUCHED.
END QUOTE.
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